

Overview

The purpose of this notification is to announce that Holt Integrated Circuits has made a Die Revision & Datasheet Change to the HI-1585 and HI-1584 Family of Products.

Description

Holt Integrated Circuits is implementing a design change to improve noise immunity for the Power On Reset circuitry, and improve the ESD performance for the RX inputs.

This improvement will result in a die revision change for the HI-1585 die from Revision D to Revision F and datasheet DS1584 Revision D to Revision E and DS1585 Revision E to Revision F.

The minor change is to Function & Quality. The function change was an increase in the typical ICC₁ from 30 to 50 mA with a max ICC₁ from 40 to 65 mA. The Quality change was an improvement in the ESD RX performance from class 1A to class 2. There is no change to Fit, Form, or Reliability of these devices. The products will be fully compliant to all published specifications of HI-1584 and HI-1585 datasheet. Quality and Reliability will remain at the highest standards already demonstrated with Holt Integrated Circuits' existing products.

Reason

The purpose of this design change is to improve the robustness of the yield over the entire extended temperature range.

Products Affected

HI-1584PCIF HI-1584PCTF HI-1584PCMF	HI-1585PCIF HI-1585PCTF HI-1585PCMF
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Traceability

A date code of 1936 and after will facilitate part traceability for all parts and can be shipped starting Sep 25, 2019.

Qualification Data

Reliability Test	Requirement	Comment
Device Characterization	Final Test yield analysis over -55°C and +125°C temperature extremes.	Passed 100%
ESD		Passed >2kV Class 2

Response

Note: In accordance with JESD46-D, this change is deemed accepted by the customer if no acknowledgement is received within 30 days from this notice.

No response is required. For additional information or questions, please contact:

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Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
09/25/19	1.0	Initial Release